



SVC22C

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PRAMET

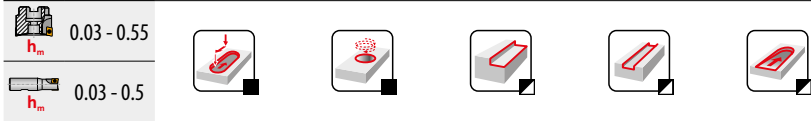
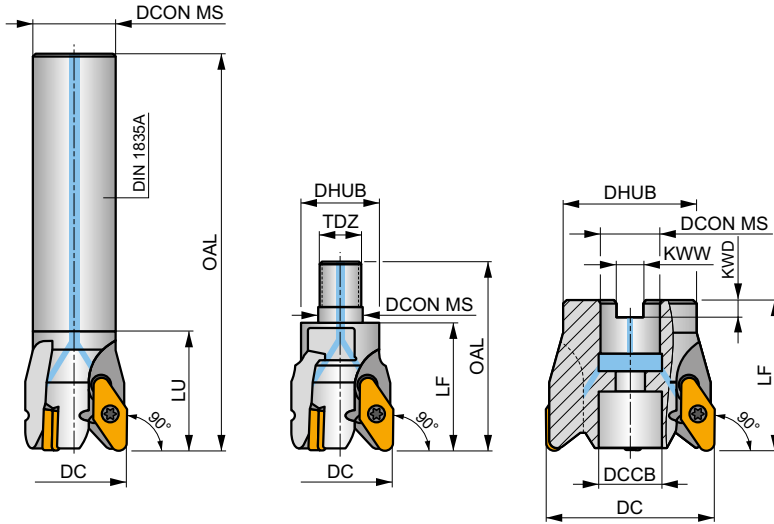
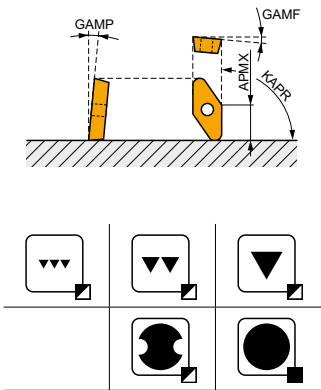
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Milling Cutters for Machining Non ferrous materials with Internal Coolant

Highly productive cutter for aluminium and non ferrous material utilising VCGT 22 inserts with APMX of 16 mm. Internal coolant. Suitable for face, progressive plunge, shoulder, ramping and slot milling. Available in cylindrical, modular and arbor style, in range of Ø32 up to Ø80 mm. Body treated for longer tool life.

KAPR	90°
APMX	3.0 (16.0) mm



Product	DC	OAL	DCON MS	DCCB	LU	LF	DHUB	TDZ	KWW	KWD	GAMF	GAMP	max.			kg	C0560	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[°]	[°]						
32A2R045A25-SVC22C	32	120	25	-	45	-	-	-	-	-	4	3	2	-	10400	✓	0.46	GI141 C0560
40A3R045A32-SVC22C	40	150	32	-	45	-	-	-	-	-	8	3	3	-	9300	✓	0.91	GI141 C0560
32A2R048M16-SVC22C	32	71	17	-	-	48	29	M16	-	-	11	3	2	-	-	✓	0.23	GI141 C0560
40A3R048M16-SVC22C	40	71	17	-	-	48	29	M16	-	-	13	3	3	-	-	✓	0.26	GI141 C0560
50A03R-S90VC22C	50	-	22	18	-	56	40	-	10	6.3	4	3	3	-	8400	✓	0.44	GI141 C0563
63A04R-S90VC22C	63	-	22	18	-	56	50	-	10	6.3	6	3	4	-	7400	✓	0.68	GI141 C0563
80A05R-S90VC22C	80	-	27	20	-	56	63	-	12	7	8	3	5	-	6600	✓	1.15	GI141 C0562

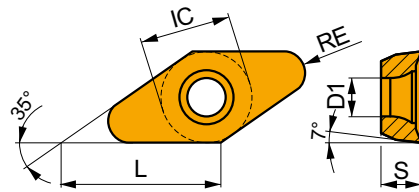
	GI141		VCGT 220530F-FA
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C0560	US 4511-T20	5.0	M 4.5	11	-	-	Flag T20
C0562	US 4511-T20	5.0	M 4.5	11	SDR T20-T	-	-
C0563	US 4511-T20	5.0	M 4.5	11	SDR T20-T	HS 1030C	-



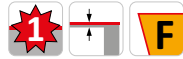
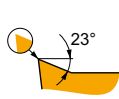
VCGT 22-FA

	IC	D1	L	S
	[mm]	[mm]	[mm]	[mm]
2205	12.700	5.20	22.00	5.50



Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

Product	RE [mm]	P			M			K			N			S			H		
		vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]



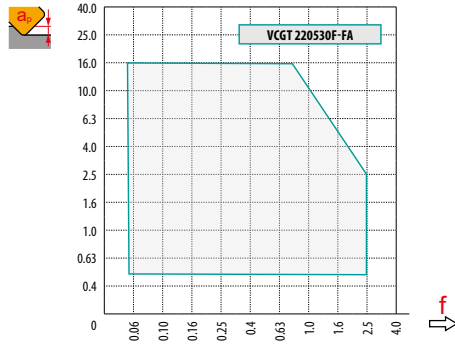
FA geometry with highly positive design for medium to rough machining.

VCGT 220530F-FA	HF7	3.0	-	-	-	-	-	-	-	210	0.48	1.0	-	-	-	-	-	-
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a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	VCGT 22-FA
	3.0
	-



	0.5	3.0	12.0
	0.86	0.31	0.05

DC	RPMX	APMX/I
32	8.0	12.0/87
40	8.0	12.0/87
50	6.0	10.4/100
63	4.2	7.2/100
80	3.1	5.3/100

DC	DMIN	DMAX	S MAX DMIN	S MAX DMAX
32	42.0	64.0	4.2	12.0
40	58.0	80.0	7.7	12.0
50	78.0	100.0	9.0	12.0
63	104.0	126.0	9.3	12.0
80	138.0	160.0	9.7	12.0

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DC	µm	3	5	10	15	20	30	40	50	60	80	100
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
		3	5	10	15	20	30	40	50	60	80	100
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549